

RAMP1 Polyclonal Antibody

Catalog number: 10327-1-AP

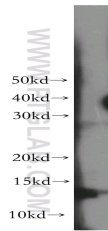
Size: 82 µg/150 µl

Source: Rabbit

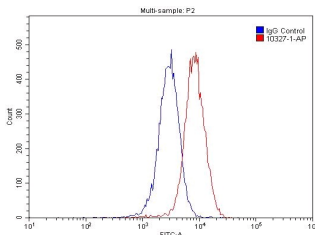
Isotype: IgG

Synonyms:

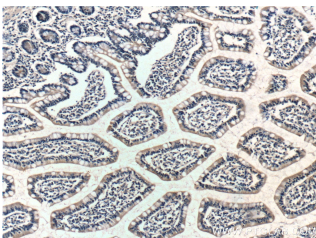
RAMP1; RAMP1



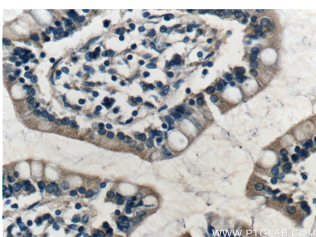
human heart tissue were subjected to SDS PAGE followed by western blot with 10327-1-AP(RAMP1 antibody) at dilution of 1:300



1X10⁶ HepG2 cells were stained with .2µg RAMP1 antibody (10327-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Immunohistochemistry of paraffin-embedded human small intestine tissue slide using 10327-1-AP(RAMP1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of

Background

RAMP1 (receptor-activity-modifying protein) is a member of the RAMP family of single-transmembrane-domain proteins which consist of an N-terminal extracellular domain, a transmembrane region and a short intracellular C-terminal tail. RAMPs are required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR, a G protein-coupled receptor, can function as either a calcitonin gene-related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. RAMP1 transports the CRLR to the plasma membrane and then remains associated with it to function as a terminally glycosylated CGRP receptor, while RAMP2 and RAMP3 transfer the CRLR to the cell surface to generate receptors that are preferentially selective for adrenomedullin. (PMID: 9620797; 16188935)

Applications

Tested applications:	ELISA, WB, IHC, FC
Cited applications:	IF
Species specificity:	Human; other species not tested.
Cited species:	Rat
Calculated RAMP1 MW:	17 kDa
Observed RAMP1 MW:	14 kDa
Positive WB detected in	Human heart tissue
Positive IHC detected in	Human small intestine tissue
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:50-1:500 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0402
GenBank accession number:	BC000548
Gene ID (NCBI):	10267
Full name:	Receptor (G protein-coupled) activity modifying protein 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

paraffin-embedded human
small intestine tissue slide
using 10327-1-AP(RAMP1
Antibody) at dilution of 1:200
(under 40x lens).